

Abstract of the Disclosure

The invention provides mechanical devices to enhance the input process for touch screen devices. Fader tracks with or without fader caps, rotary and fixed knobs, and joysticks may be removably adhered to a touch screen and used to emulate their respective functions, using software interpretation of the touch detections provoked by the devices to carry out the emulations. The devices are inexpensive and simple, and the touch screen and associated software provide the function and feel of electromechanical controllers that are far more expensive and difficult to connect and maintain. The devices may be provided as components on a crack-and-peel sheet. For fixed knobs, the software application accepts initial inputs and determines the location on the touch screen, and also interprets the geometry of the input strokes as commands for selected controller emulations, such as joystick, fader, knob, or mouse. The invention also provides a touch sensor controller having a longitudinal web that incorporates touch sensor electrodes and conductors and emulates a fader controller. The invention further provides a flexible track controller mounted at the periphery of a touch screen and extendable thereover to emulate a fader controller. The flexible track may be motor driven.